

FIG. 1 (Prior Art)

		Initial state					
		TaskN-1	$V_{N-1}=1$	TaskN	$V_N=1$	Don't care	$V_{N+1}=0$
		stored in AddressN-1		stored in AddressN		AddressN+1	
1	0	0	No change	$V_{N-1}=1$	No change	$V_N=1$	No change
2	0	1	No change	$V_{N-1}=1$	No change	$V_N=1$	TaskN+1 (Task IN)
3	1	0	Task N	$V_{N-1}=1$	Invalid add	$V_N=0$	Don't care
3	1	1	Task N	$V_{N-1}=1$	TaskN+1	$V_N=1$	Don't care

Task N-1 is the oldest task

FIG. 4

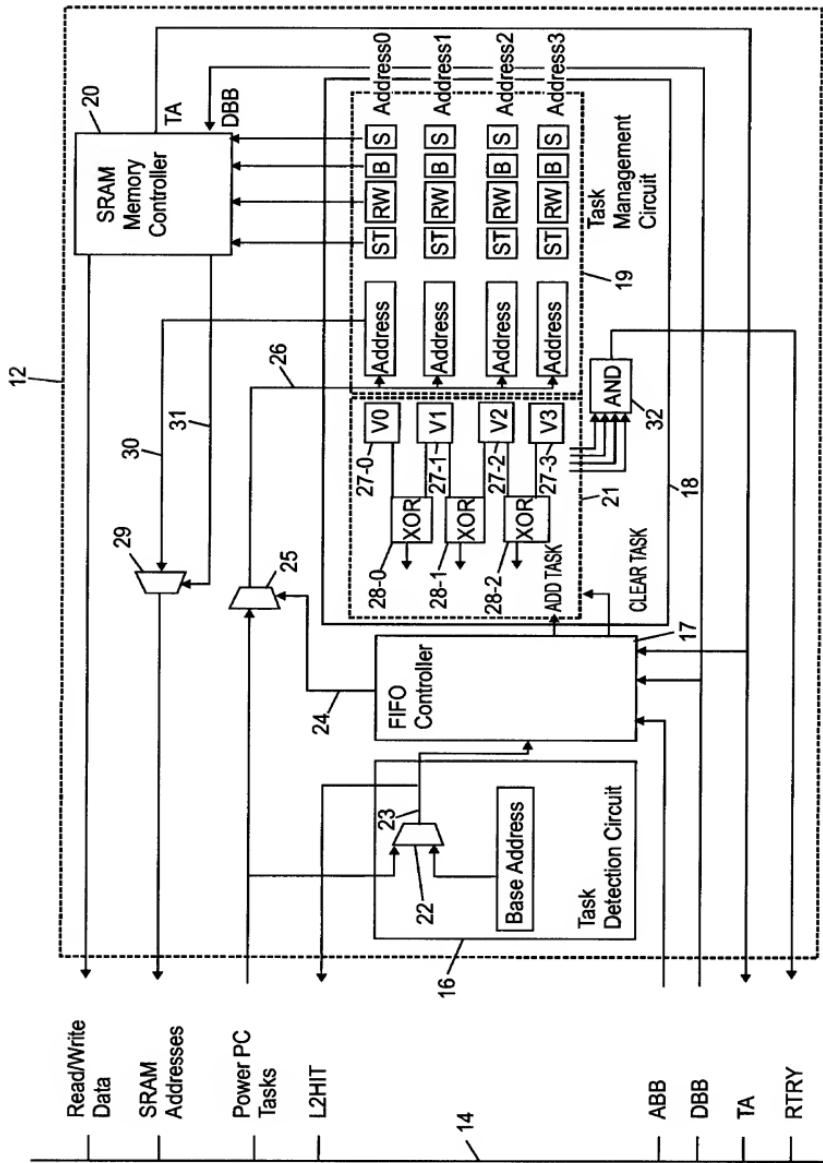


FIG. 2

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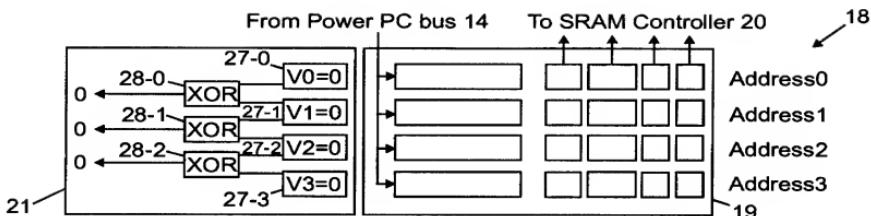


FIG. 3a

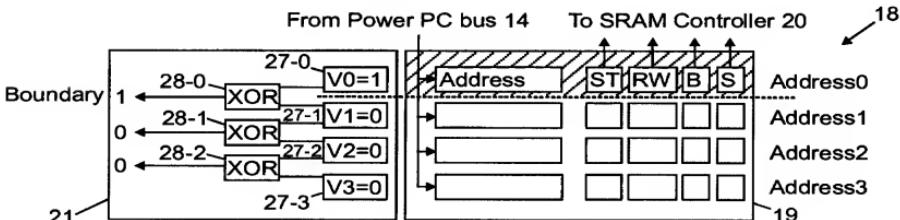


FIG. 3b

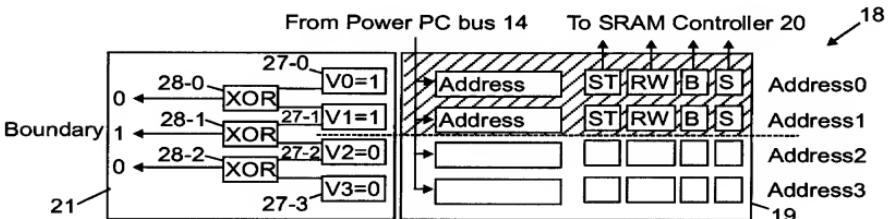


FIG. 3c

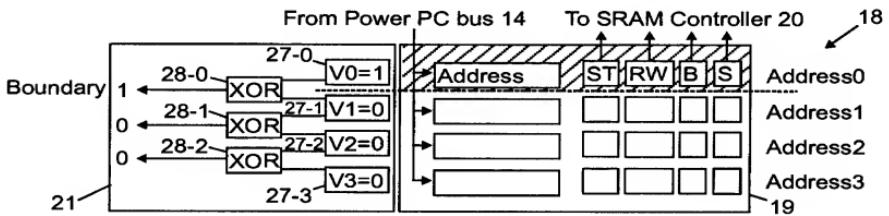


FIG. 3d

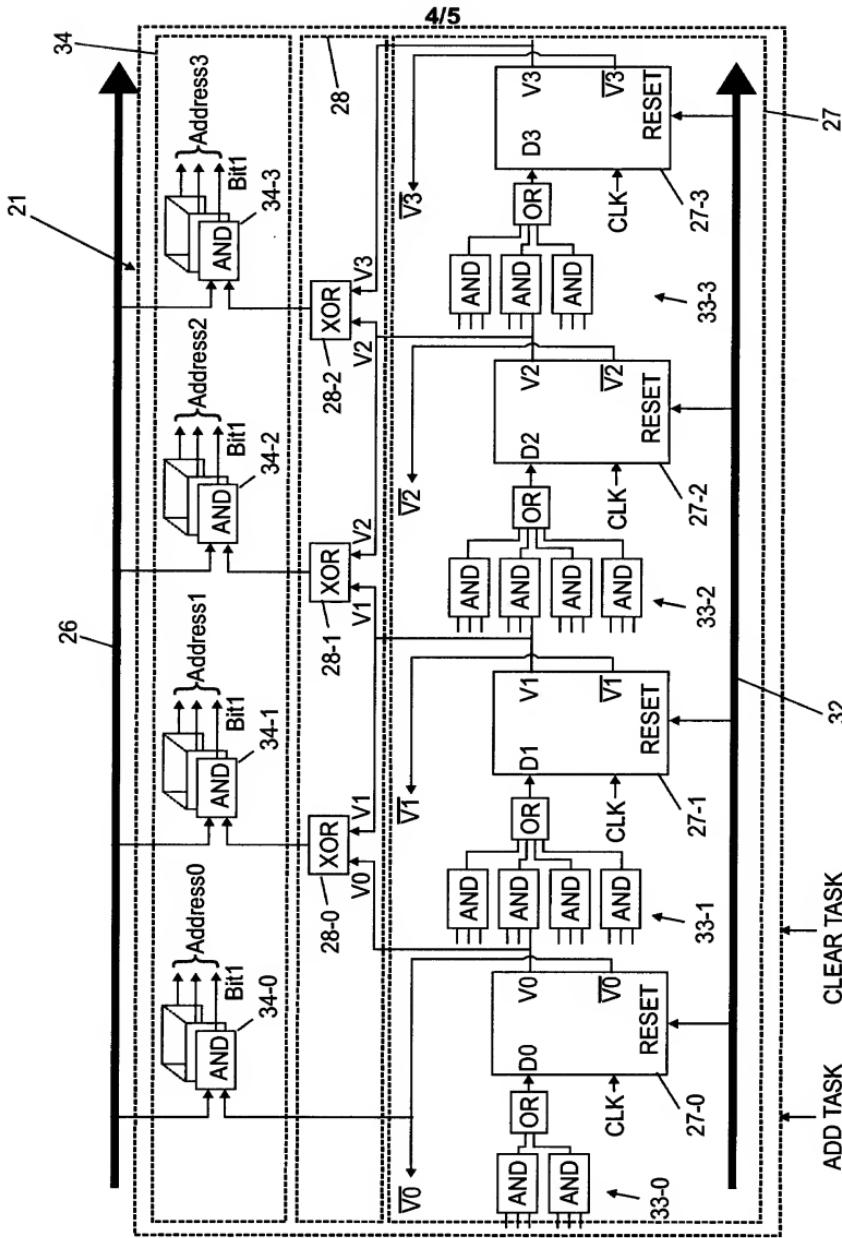


FIG. 5

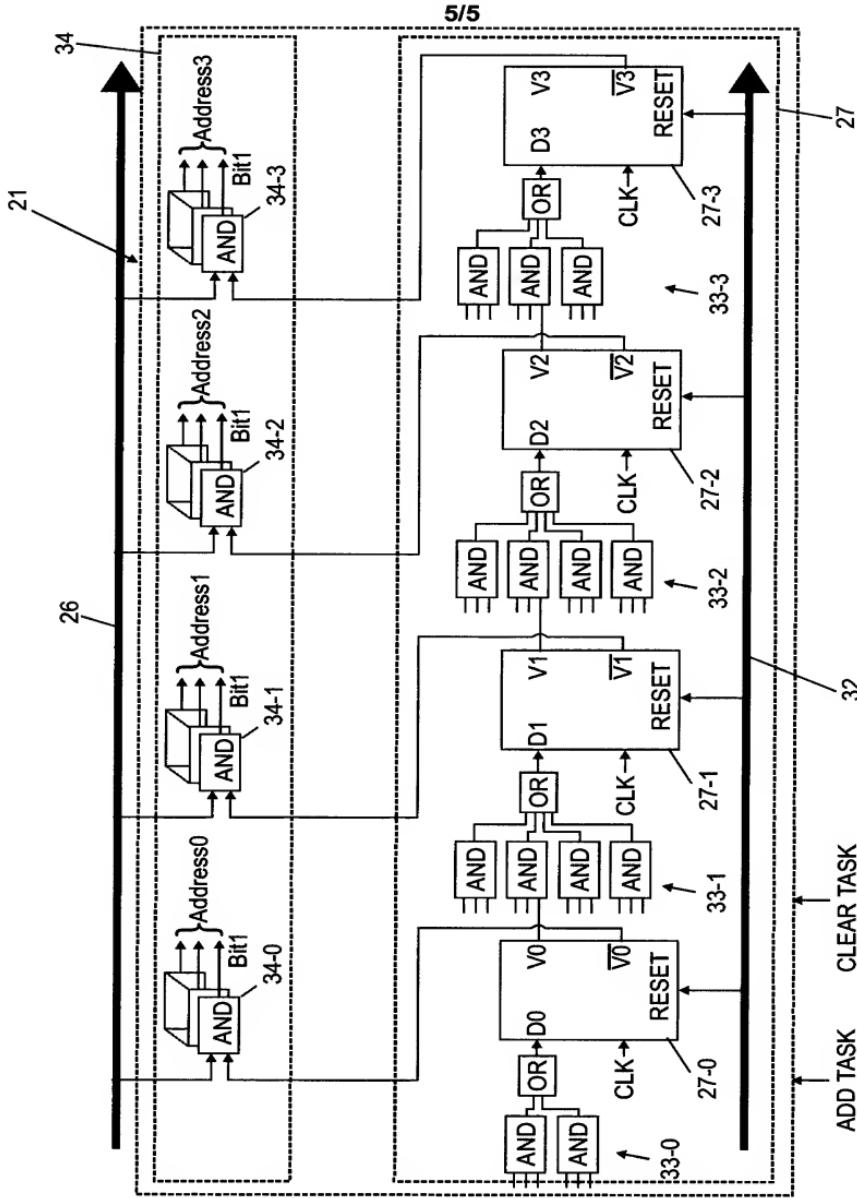


FIG. 6